

**REMARKS/ARGUMENTS**

In response to the Office Action dated January 25, 2005, please consider the following remarks.

In the Office Action issued January 25, 2005, claims 18-21 were rejected under 35 U.S.C. §102(e) as being anticipated by Watson (Distributed Simulation Testing for Weapons System Performance of the F/A-18 and AIM-120 AMRAAM) ("Watson"). Claim 22 was rejected under 35 U.S.C. §103(a) as being unpatentable over Watson in view of Phillips.

Claims 18 and 20-22 are now pending in this application. Claim 18 has been amended to more particularly specify the workings of the invention. Claim 19 has been canceled, and its contents have been included in claim 18.

The applicant respectfully submits that the present invention, according to claims 18 and 20-21, is not anticipated by Watson. Watson teaches a general method for simulating missile tests, specifically the ARMAAM Hardware-In-The-Loop (HWIL) Facility. However, Watson does not teach any of the specifics used in the AMRAAM HWIL simulations. In particular, Watson neither discloses nor suggests limiting the target seeker to finite speeds and motion in a plane, nor does Watson disclose or suggest using correlations with reality-based measurements to improve the accuracy of the recorded data. Thus, the present invention, according to claim 18, from which claims 20 and 21 depend includes requirements not disclosed by Watson, and thus is not anticipated by Watson.

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Further, the applicant respectfully submits that the present invention, according to claim 22, is not unpatentable over Watson in view of Phillips. As stated above, claim 18, and consequently claim 22, which depends from claim 18, includes requirements not taught by Watson. Additionally, Phillips teaches a method of modeling a feedback control system comprising time discrete signals, but makes no mention of techniques used in the positioning of target seekers. Thus, the combination of Watson and Phillips would still fail to disclose all the requirements of the present invention, and thus the present invention is not unpatentable over Watson in view of Philips.

Each of the claims now pending in this application is believed to be in condition for allowance. Accordingly, favorable reconsideration of this case and early issuance of the Notice of Allowance are respectfully requested.

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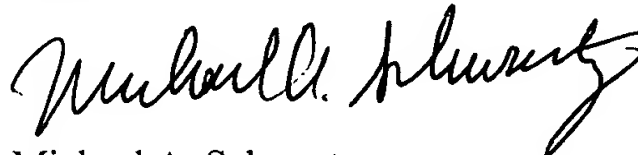
**Additional Fees:**

The Commissioner is hereby authorized to charge any insufficient fees or credit any overpayment associated with this application to Deposit Account No. 19-5127 (19391.0011).

**Conclusion**

In view of the foregoing, all of the Examiner's rejections to the claims are believed to be overcome. The Applicants respectfully request reconsideration and issuance of a Notice of Allowance for all the claims remaining in the application. Should the Examiner feel further communication would facilitate prosecution, he is urged to call the undersigned at the phone number provided below.

Respectfully Submitted,



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